SSEE Climate Code Red – Opportunities for Action
Perth, 13th August 2009

Meeting Outputs – Summary

The Climate Code Red workshop held at EA offices in Perth on 13th August delivered the following outputs

Opportunities

Key opportunities were identified as follows;

P1	***Carbon tax***
P2	***Rationing - A carbon card***
P3	***Energy efficiencies***
P4	***Democratise; Erode boundaries, open information flows & involve all stakeholders***
P5	***Improve building efficiency***
P6	***A better grid - More renewable energy***
P7	***Efficient design & material use***
P8	***Production - Waste Lifecycle Regeneration***

Call to Action

Within each of these opportunities, recommendations for actions were identified for each of 4 stakeholder groups by people who were passionate about each opportunity. The 4 stakeholder groups were;

a. The Engineering profession
b. Industry
c. Government – State & Federal
d. Community & Households

The table on the following page outlines these actions.

Next steps

SSEE

- further workshops will be held in Brisbane, Newcastle, Adelaide and possibly Melbourne & Sydney
- additional opportunities and actions will be identified
- a composite of the key ideas and actions emerging will be brought together into a single report
- this summary will be tabled at the National SSEE conference, and

Attendees

- individuals reflected on their own responses to this question
    - ***As a result of the ideas and actions discussed tonight, what is one thing you can do immediately at a personal level***

Appendix A *Recommendations/ Call to Action*

Opportunity		Recommendation/ Call to Action		Who
P1	***Carbon tax***	P1	n/a	E
		P1-I1	Industry is main receiver of tax. However CPRS can effectively reduce overall costs	I
		P1-G1	Must implement the tax at rate that corresponds to a safe level of CO2 ppm in atmosphere.	G
		P1-C1	A tangible economic cost like a carbon tax will positively effect citizens through buyer behaviour and brick wall exposure to effects of climate change	C
P2	***Rationing - A carbon card***	P2-E1	Smartcard - Linking carbon printout with integrating into efficient technologies. Judged on carbon effectiveness of projects	E
		P2-I1	Agriculture, Nox+CH4 emissions.	I
		P2-I2	Tie Corporate Exec salaries to carbon emissions. Reporting held into conditions of publicly listed companies.	I
		P2-I3	Inventors Aid - Reduce risks for Corporates to take on inventors; "Make it S" campaign	I
		P2-G1	Carbon points (like Frequent Flyer points) Marketing campaign	G
		P2-C1	Carbon Ration Card/ E-Card. Carry with you and when purchasing petrol, etc, carbon is accounted. Can offset card with renewable energy. Reduce tonnage per yer per person	C
P3	***Energy efficiencies***	P3-E1	Design; Education; Info	E
		P3-I1	Adopt and produce synergies	I
		P3-I2	Source water & power closer to source	I
		P3-G1	Policies & legislation to facilitate embracing of technology	G
		P3-C1	Encourage adoption of technologies	C
		P3-C2	Solar air heating - heating of home uses 36% of home energy	C
		P3-C3	Efficient use of water - smart metering, level out demand, in-home displays of water/ energy	C
P4	***Democratise; erode boundaries, open info. flows & involve***	P4-E1	Place more value on innovation	E
		P4-E2	Provide eduation to the community	E
		P4-G1	Regulate	G
		P4-C1	Get people involved	C
		P4-C2	Provide information & opportunity for action	C
P5	***Improve building efficiency***	P5-E1	Compile a Manual of technologies and behaviour changes that can contribute to achieve 10 Star Water and Energy efficiency standards for All New houses and commercial buildings (& retro fit buildings)	E
		P5-E2	Design and get funding to deliver training programs (for Architects, Building Company staff, developers & local & State govt. staff) on the Manual to raise awareness and embed 10 Star efficiency standards & their economic feasibility	E
		P5-I1	Take a solution oriented approach to this new regulation - Cooperate with Govts to help design and implement the 10 Star regulation	I
		P5-I2	Help educate the community (commercial and domestic buildings) of the need for the regulation, the costs and how it is achieveable. (Treat this as an opportunity for new markets and gain greater market share for new movers)	I
		P5-G1	Cooperate to introduce an upgrade to building standard regulations to require 10 star water and energy efficiency standards for All new houses and commercial buildings, through COAG by Mar 2010	G
P6	***A better grid - More renewable energy***	P6-E1	Design cool stuff to work better	E
		P6-E2	Refuse to design crap systems	E
		P6-E3	Introduce Green/ Efficiency Rating system for Eng.	E
		P6-E4	Redesign Engineering courses to normalise renewables & higer efficiency	E
		P6-E5	Lobby Govt to enact renewable & Green projects	E
		P6-E6	Peer to peer training	E
		P6-G1	Incentive program for renewables - RET, Carbon price	G
		P6-G2	Infrastructure funding - grid & generation	G
		P6-G3	R& D incentives - develop economies of scale	G
		P6-G4	Desist from subsidising the fossil fuel/ coal fired industry	G
P7	***Efficient design & Material use***	P7-E1	Encourage & promote research through educational campaigns, competitions & scholarships	E
		P7-E2	Inform Engineers of available technologies, research and cost	E
		P7-I1	Company schemes to reward in-house innovation Eg. Paid suggestion box, bonuses	I
		P7-I3	Incorporate cost of recycling & disposal in purchase price of product	I
		P7-G1	Compulsory Lifecycle Assessment of new products	G
P8	***Production - Waste Lifecycle Regeneration***	P8-E1	Research Waste Disposal - what can't be re-used now, look abroad. Innovation & break barriers	E
		P8-I1	Take responsibility. Act locally.	I
		P8-I2	Co-generation. Realise reciprocal benefits. Share resources & waste. Waste Trading	I
		P8-G1	New policies & workgroups. Local taskforces	G
		P8-G2	Co-operation across councils	G
		P8-C1	Individual responsibility. Mindful consciousness. One planet, one civilisation.	C